

Amendments to the Claims

1. (Canceled)
2. (Currently Amended) A copolymer ~~comprising~~ consisting essentially of:
caprolactone units; and
fumarate units,
wherein the copolymer is prepared by reacting (i) poly(caprolactone) and (ii)
fumaric acid or a salt thereof, and
wherein the poly(caprolactone) has a molecular weight in the range of 500-
10000 daltons.
3. (Original) The copolymer of claim 2 wherein the copolymer has a number average molecular weight in the range of 3000 to 4000.
4. (Original) The copolymer of claim 2 wherein the copolymer has a polydispersity index in the range of 2 to 4.
5. (Original) The copolymer of claim 2 wherein the copolymer has a melting point in the range of 50°C to 70°C.
6. (Original) The copolymer of claim 5 wherein the copolymer is injectable at temperatures above the melting point.
7. (Original) The copolymer of claim 2 wherein the copolymer has a hardening point in the range of 30°C to 40°C.
8. (Canceled).
9. (Currently Amended) The copolymer of claim [[8]] 2 wherein the

copolymer is prepared by reacting poly(ϵ -caprolactone) and fumaryl chloride.

10. (Canceled).

11. (Canceled).

12. (Canceled).

13. (Canceled).

14. (Withdrawn) A crosslinkable, biodegradable material comprising:
a copolymer including caprolactone units and fumarate units; and
a free radical initiator.

15. (Withdrawn) The material of claim 14 wherein:
wherein the material is an injectable bone substitute.

16. (Withdrawn) The material of claim 11 wherein:
wherein the material is an injectable bone cement.

17. (Withdrawn) The material of claim 14 further comprising:
a porogen.

18. (Withdrawn) The material of claim 14 further comprising:
an accelerator.

19. (Withdrawn) The material of claim 14 wherein:
the material does not include a crosslinking agent.

20. (Withdrawn) The material of claim 14 further comprising:
particulate or fiber reinforcement materials.

21. (Withdrawn) The material of claim 14 wherein:
the reinforcement materials comprise hydroxyapatite.
22. (Withdrawn) The material of claim 14 wherein:
the copolymer is prepared by reacting (i) poly(ϵ -caprolactone) and (ii) fumaric acid or a salt thereof.
23. (Withdrawn) A scaffold for tissue regeneration, the scaffold comprising:
a biodegradable matrix comprising a copolymer including caprolactone units and fumarate units.
24. (Withdrawn) The scaffold of claim 23 wherein:
the copolymer is prepared by reacting (i) poly(ϵ -caprolactone) and (ii) fumaric acid or a salt thereof.
25. (Withdrawn) The scaffold of claim 23 wherein:
the matrix includes particulate or fiber reinforcement materials.
26. (Withdrawn) The scaffold of claim 25 wherein:
the reinforcement materials comprise hydroxyapatite.
27. (Withdrawn) The scaffold of claim 23 wherein:
the scaffold is porous.